

Title (en)

Self-cleaning anti-adhesive papers and paper materials, and process for making the same

Title (de)

Selbstreinigende und antiadhäsive Papiere und papierartige Materialien sowie Verfahren zu deren Herstellung

Title (fr)

Papiers et matériaux en papier auto-nettoyants et anti-adhésifs, et procédé de fabrication

Publication

**EP 1231322 A3 20030730 (DE)**

Application

**EP 02003342 A 20020213**

Priority

DE 10106494 A 20010213

Abstract (en)

[origin: EP1231322A2] A microstructured paper or paper-like material (PPLM) having self-cleaning and anti-adhesive action and peaks and depressions in the surface, the distance between the peaks being 0.04-100 micro m and the peak heights 0.04-100 micro m containing a binder with particle size 0.04-50 micro m and which is hydrophobic over its whole cross section is new. An Independent claim is included for preparation of the microstructured paper with addition of a hydrophilizing agent within the framework of a wet process for treating the PPLM fibers of particle size 0.04-50 micro m and fixing the particles on the fibers with a binder.

IPC 1-7

**D21H 27/00**; **D21H 21/52**

IPC 8 full level

**D21H 27/00** (2006.01); **D21H 27/02** (2006.01); **D21H 13/14** (2006.01); **D21H 13/16** (2006.01); **D21H 13/18** (2006.01); **D21H 21/16** (2006.01); **D21H 21/52** (2006.01)

CPC (source: EP US)

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Citation (search report)

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DOCDB simple family (application)

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